

IN THE CLAIMS:

1. (Currently Amended) A method ~~for streaming of media from a streaming server (111) to a mobile client device (101) over an air interface, wherein the method comprises com-~~
prising:
receiving streaming media in ~~the a~~ client device from ~~the a~~ streaming server over ~~the~~
an air interface,
detecting a cell reselection event in the mobile client device, and
in response to the detected cell reselection event, requesting the streaming server
(111) with an application level request to send streaming media which the mobile client
device (101) is not able to receive due to a the cell reselection.
2. (Currently Amended) A method according to claim 1, wherein the streaming server is
provided with a starting point at which to start sending the requested streaming media.
3. (Currently Amended) A method according to claim 1, wherein streaming server (111)
sends the streaming media which the mobile client device (101) is not able to receive due
to said cell reselection as well as a remaining portion of streaming media in response to
the request.
4. (Currently Amended) A method according to claim 1, wherein the cell reselection com-
prises a cell reselection period during which the mobile client device (101) is not able to
receive streaming media, the method comprising:
sending from the mobile client device (101) to the streaming server (111), after the
cell reselection period, a resending request which requests the streaming server (111) to
resend streaming media which the mobile client device (101) was not able to receive dur-
ing the cell reselection period.
5. (Currently Amended) A method according to claim 4, wherein the resending request is
generated according to RTSP-real time streaming protocol (Real-Time Streaming Proto-
col).

6. (Currently Amended) A method according to claim 4, wherein the resending request is implemented by ~~an RTSP~~ a real time streaming protocol PAUSE/PLAY message pair.
7. (Currently Amended) A method according to claim 1, wherein the streaming media is temporarily stored in a temporary store ~~(240)~~, such as a buffer, at the client device ~~(101)~~ before playing.
8. (Currently Amended) A method according to claim 7, wherein the temporary store ~~(240)~~ has a size longer in time than a cell reselection period.
9. (Currently Amended) A method according to claim 7, wherein the streaming server is requested to send streaming media at a rate higher than the playing rate of that media so as to increase a degree of fullness of the temporary store ~~(240)~~.
10. (Currently Amended) A method according to claim 9, wherein a bandwidth or desired transmission bit rate with speeding factor is communicated to the streaming server ~~(111)~~ in a request.
11. (Currently Amended) A method according to claim 9, wherein the streaming media is stored at the mobile client device ~~(101)~~ at a rate higher than the playing rate.
12. (Currently Amended) A method according to claim 9, wherein the streaming server ~~(111)~~ is subsequently requested to resume an original configuration.
13. (Currently Amended) A method according to claim 7, wherein a degree of fullness of the temporary store ~~(240)~~ decreases during the cell reselection, and the streaming server is requested to send the not received streaming media although the temporary store ~~(240)~~ has not become totally empty, and said requesting is performed without pausing playback at the mobile client device ~~(101)~~.

14. (Original) A method according to claim 1, wherein the streaming server has a set of media streams available for transmission in which the same media content has been encoded at different bit rates.
15. (Currently Amended) A method according to claim 14, wherein information on the available set of media streams is beforehand communicated to the mobile client device (401) in a streaming session setup.
16. (Currently Amended) A method according to claim 15, wherein the streaming server (111) is requested to switch from sending a higher bit rate media stream to sending a lower bit rate media stream at an increased speed.
17. (Original) A method according to claim 1, wherein the streaming media comprise one of the following: a video stream, an audio stream, another stream of single media, a multi-media stream.
18. (Currently Amended) A method according to claim 1, wherein the streaming server (111) sends streaming media to the mobile client device (401) via a mobile communications network.
19. (Currently Amended) A method according to claim 1, wherein the mobile communications network comprises a mobile packet radio network, such as a GPRS (General Packet Radio Service) general packet radio service network.
20. (Currently Amended) A method according to claim 1, wherein said cell reselection is performed between two base stations (~~BS1, BS2~~) which are selected from a group comprising: base stations belonging to a GPRS general packet radio service system, base stations belonging to a third generation mobile communications system.
21. (Currently Amended) A mobile client device, (401) ~~including means for receiving streaming media from a streaming server (111) over an air interface, the mobile client device~~

~~(101)~~ further comprising:

a receiver for receiving streaming media from a streaming server over an air interface,

a protocol stack configured for detecting a cell reselection event in the mobile client device, and

means a processing unit (220, 230, MCU) for requesting in response to the detected cell reselection event, with an application level request, the streaming server ~~(111)~~ to send streaming media which the mobile client device ~~(101)~~ is not able to receive due to a cell reselection.

22. (Currently Amended) A streaming server ~~(111)~~ for sending streaming media to a mobile client device ~~(101)~~ over an air interface, the streaming server ~~(111)~~ comprising:

a transmitter for sending streaming media to a mobile client device,

means a receiver ~~(350)~~ for receiving a an application level request requesting the streaming server ~~(111)~~ to send streaming media which the mobile client device ~~(101)~~ is not able to receive due to a cell reselection; and

means a processing unit ~~(320, 330, CPU)~~ for acting upon the received request.

23. (Currently Amended) A system comprising a streaming server ~~(111)~~ and a mobile client device ~~(101)~~, for streaming of media from the streaming server ~~(111)~~ to the mobile client device ~~(101)~~ over an air interface, the system comprising, at the mobile client device ~~(101)~~:

a receiver for receiving streaming media from the streaming server over the air interface,

a protocol stack configured for detecting a cell reselection event in the mobile client device, and

means a processing unit (220, 230, MCU) for requesting in response to the detected cell reselection event, with an application level request, the streaming server ~~(111)~~ to send streaming media which the mobile client device ~~(101)~~ is not able to receive due to a cell reselection, the system further comprising, at the streaming server ~~(111)~~:

a transmitter for sending streaming media to a mobile client device,

means a receiver (350) for receiving the said application level request; and
means a processing unit (320, 330, CPU) for acting upon the received request.

24. (Currently Amended) A computer program stored on a computer readable medium and executable in a mobile client device ~~(101)~~, the computer program comprising:
program code causing the mobile client device to receive streaming media sent from a streaming server;
program code causing the mobile client device to detect a cell reselection event in the mobile client device; and
program code for causing the mobile client device ~~(101)~~ to request in response to the detected cell reselection event, with an application level request, the streaming server ~~(111)~~ to send streaming media which the mobile client device ~~(101)~~ is not able to receive due to a cell reselection.
25. (Currently Amended) A computer program stored on a computer readable medium and executable in a streaming server ~~(111)~~, the computer program comprising:
program code causing the streaming server to send streaming media to the mobile client device,
program code for causing the streaming server ~~(111)~~ to receive an application level request requesting the streaming server ~~(111)~~ to send streaming media which the mobile client device ~~(101)~~ is not able to receive due to a cell reselection, the request having been sent in response to detecting a cell reselection event in the mobile client device; and
program code for acting upon the received request.
26. (New) A mobile client device according to claim 21, wherein the request comprises a starting point at which to start sending the requested steaming media.
27. (New) A mobile client device according to claim 21, wherein the cell reselection comprises a cell reselection period during which the mobile client device is not able to receive streaming media, wherein
the mobile client device is configured to send to the streaming server, after the cell

reselection period, a resending request which requests the streaming server to resend streaming media which the mobile client device was not able to receive during the cell reselection period.

28. (New) A mobile client device according to claim 21, wherein the mobile client device is configured to use a resending request in accordance with real time streaming protocol.
29. (New) A mobile client device according to claim 21, wherein the mobile client device comprises a temporary store, such as a buffer, for temporarily storing streaming media at the client device before playing.
30. (New) A mobile client device according claim 29, wherein the mobile client device is configured to request streaming server to send streaming media at a rate higher than the playing rate of that media so as to increase a degree of fullness of the temporary store.
31. (New) A streaming server according to claim 22, wherein the streaming server is configured to send streaming media at a rate higher than the playing rate of that media in the mobile client device so as to increase a degree of fullness of a temporary store at the mobile client device.
32. (New) A streaming server according to claim 22, wherein the streaming server comprises a memory for storing a set of media streams which are available for transmission in which the same media content has been encoded at different bit rates.
33. (New) A streaming server according to claim 22, wherein the streaming server is configured to communicate information on the available set of media streams beforehand to the mobile client device in a streaming session setup.